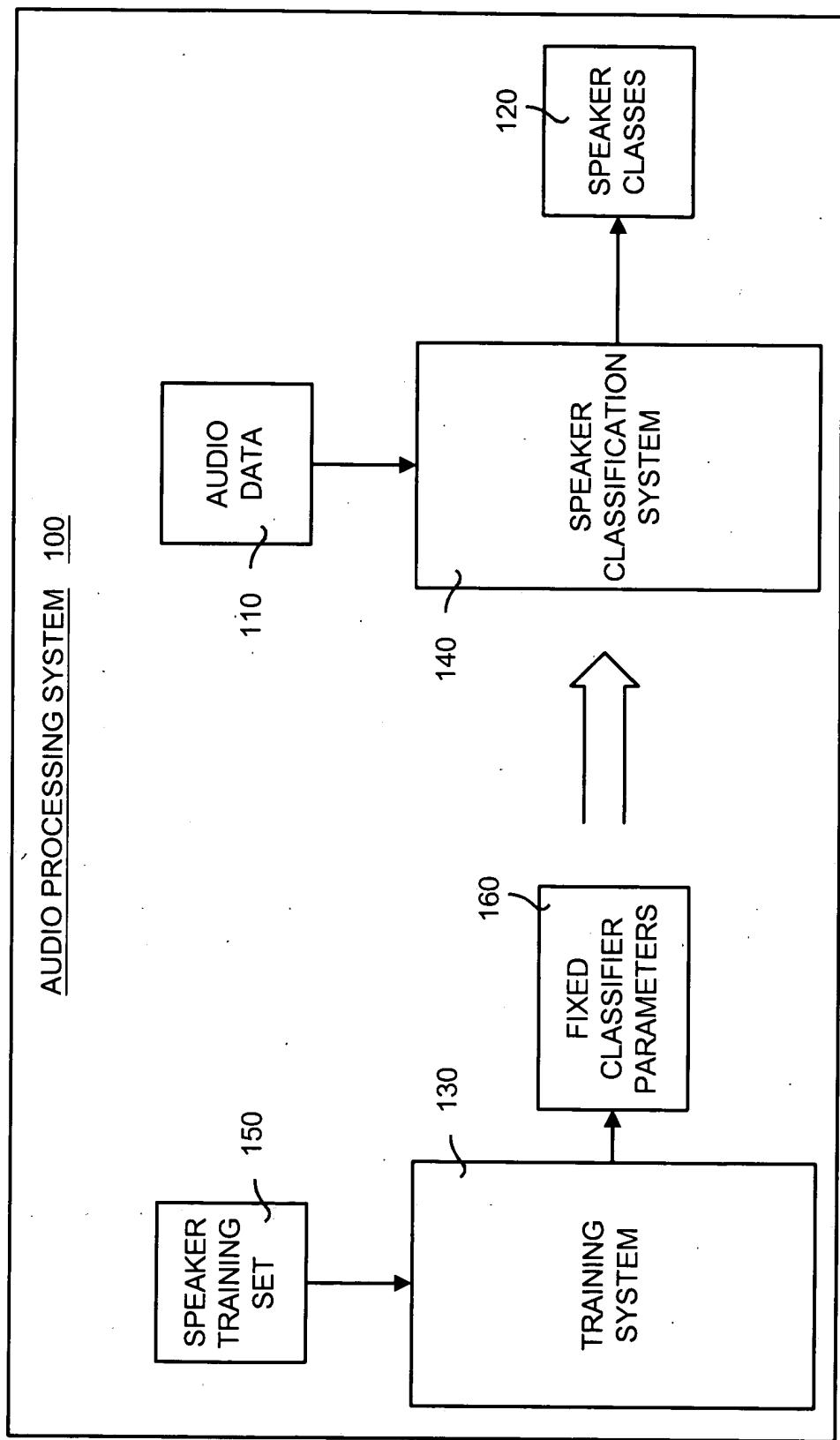


FIG. 1



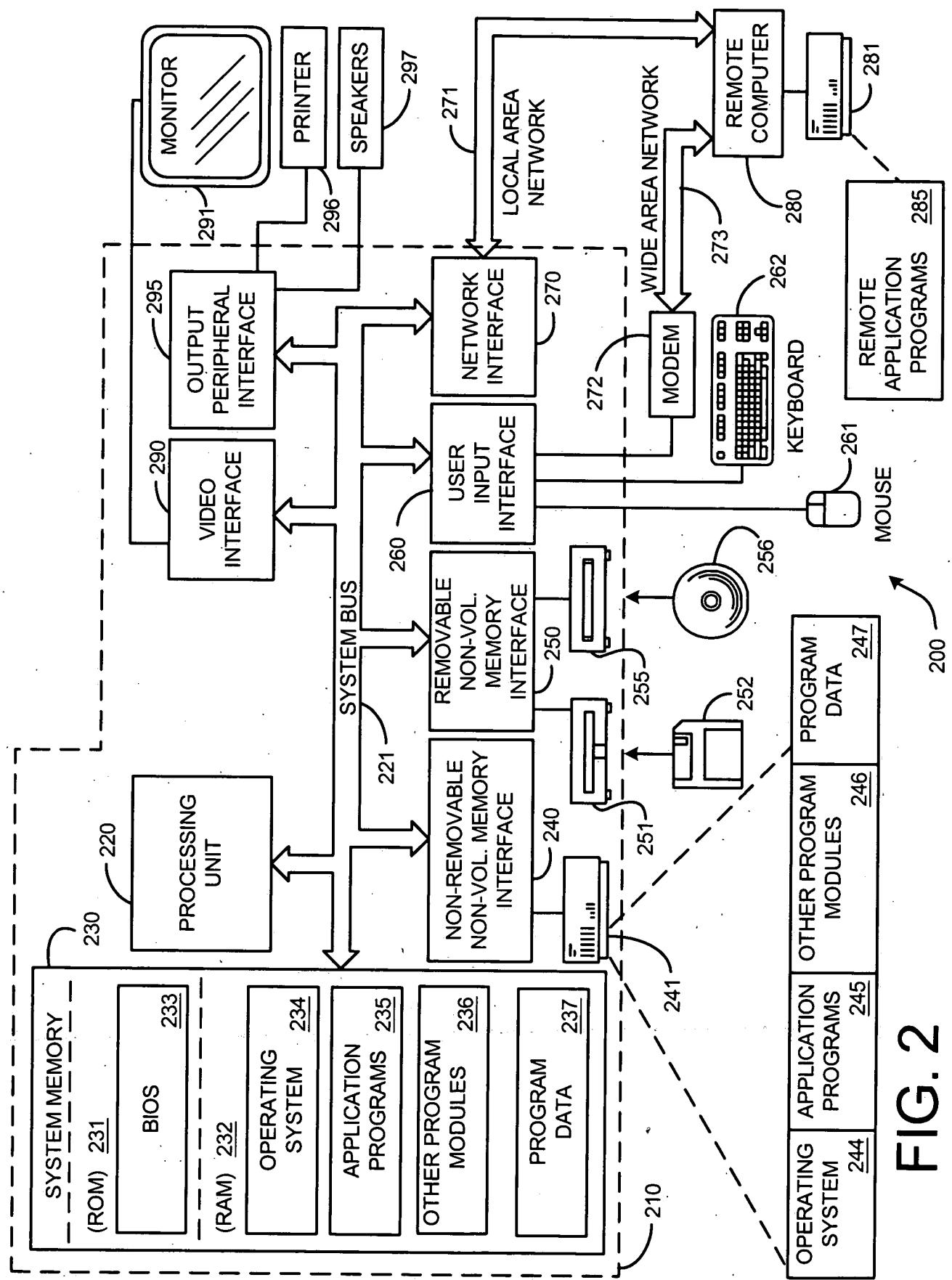


FIG. 2

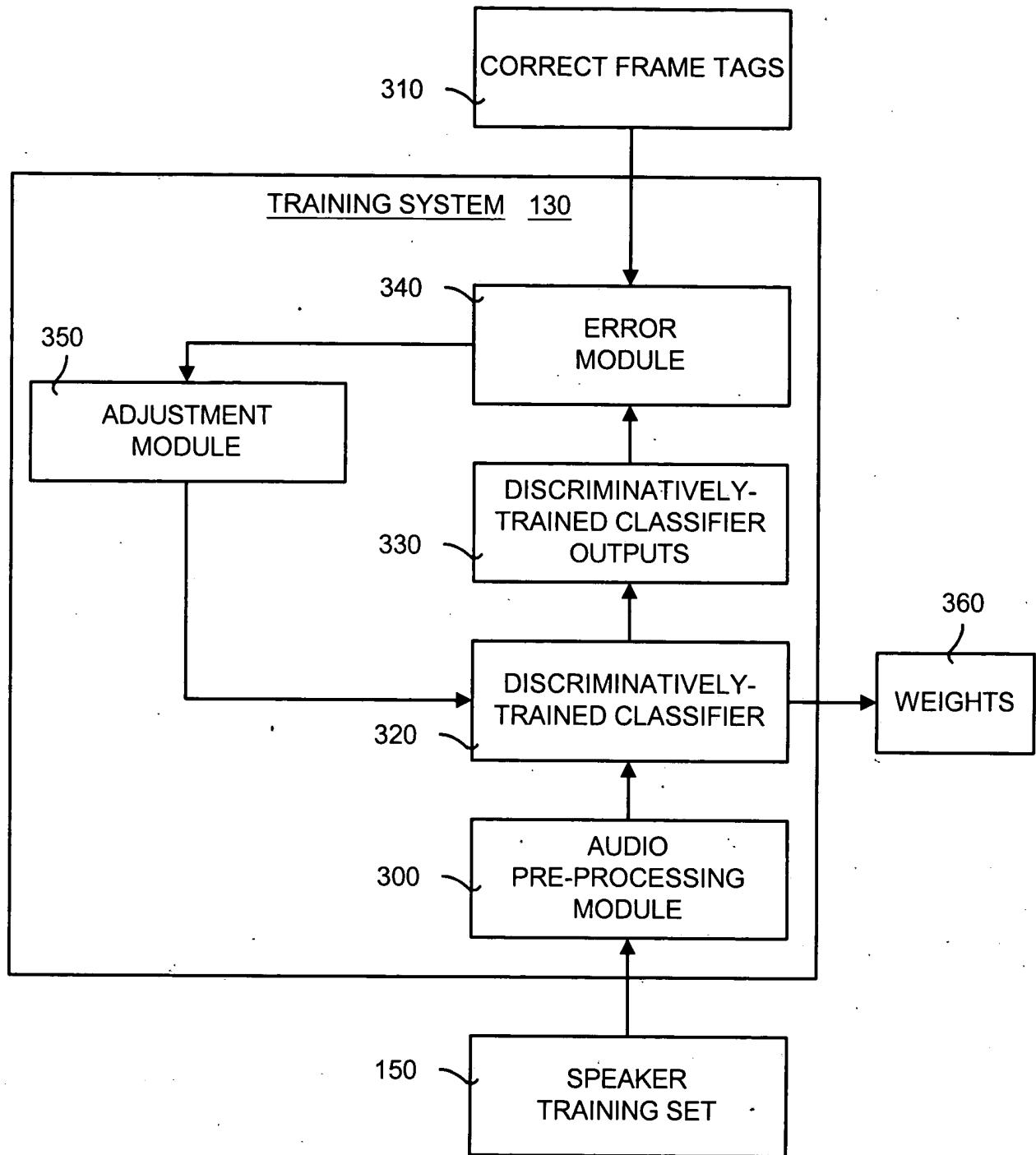


FIG. 3

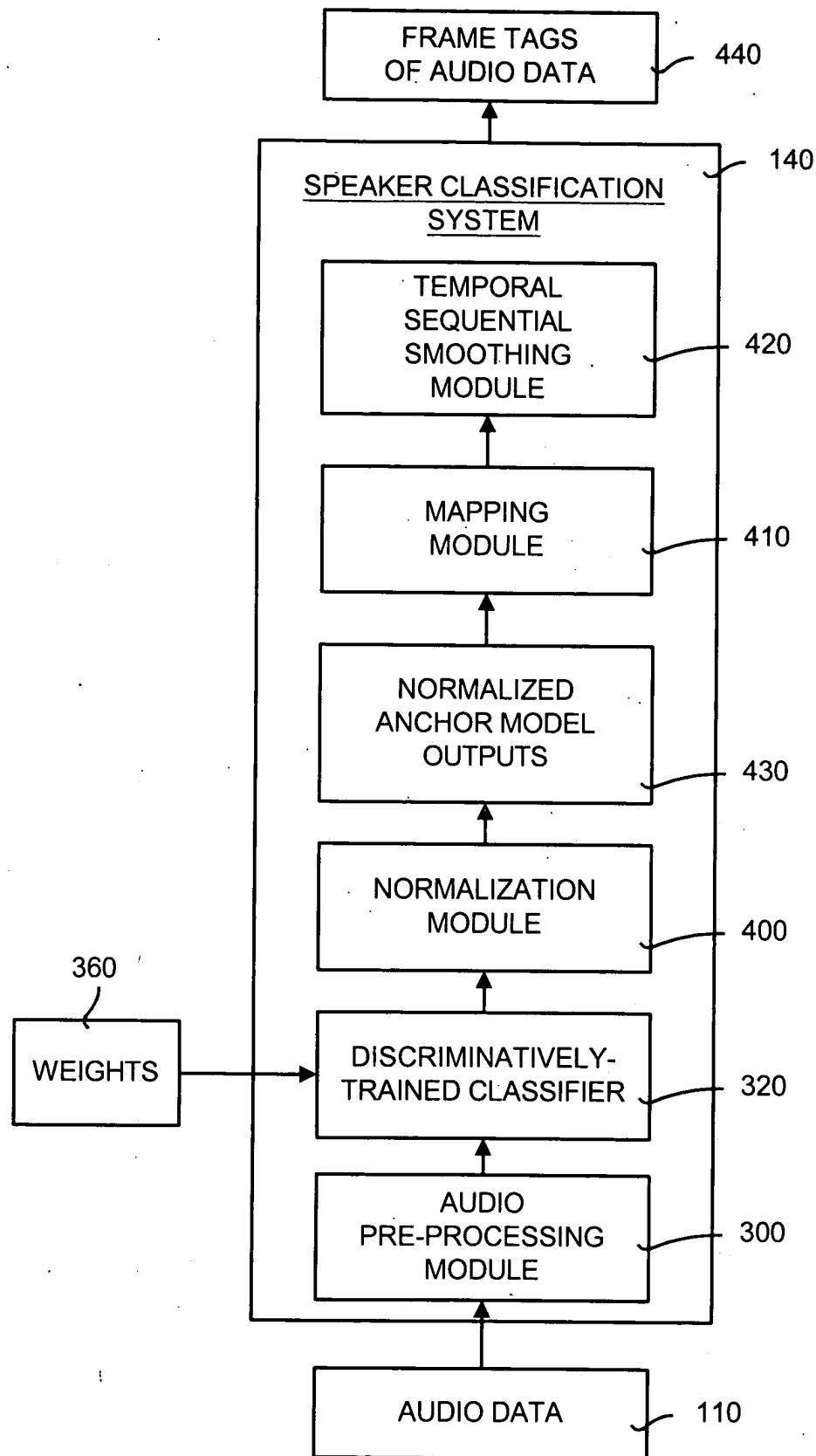


FIG. 4

FIG. 5

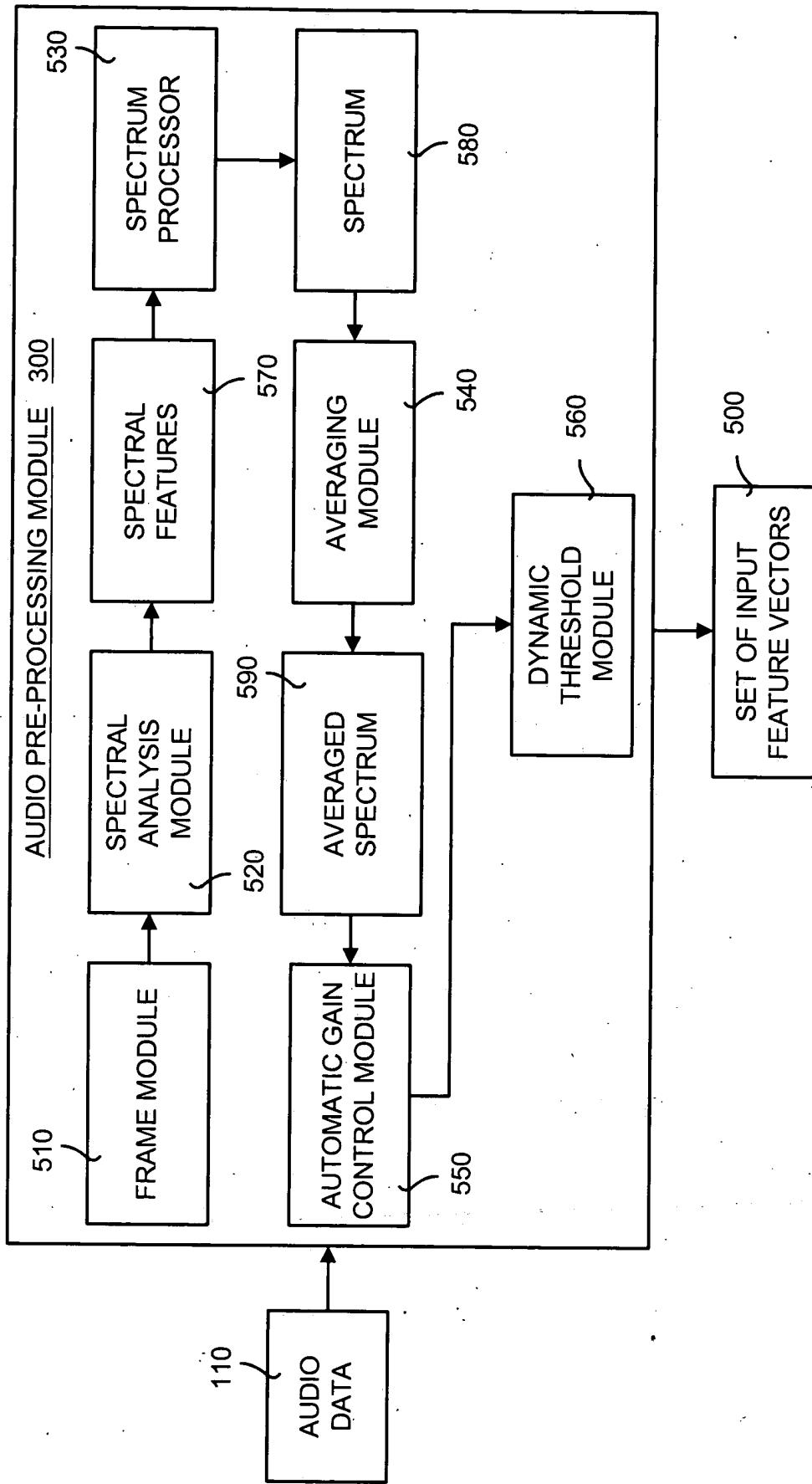
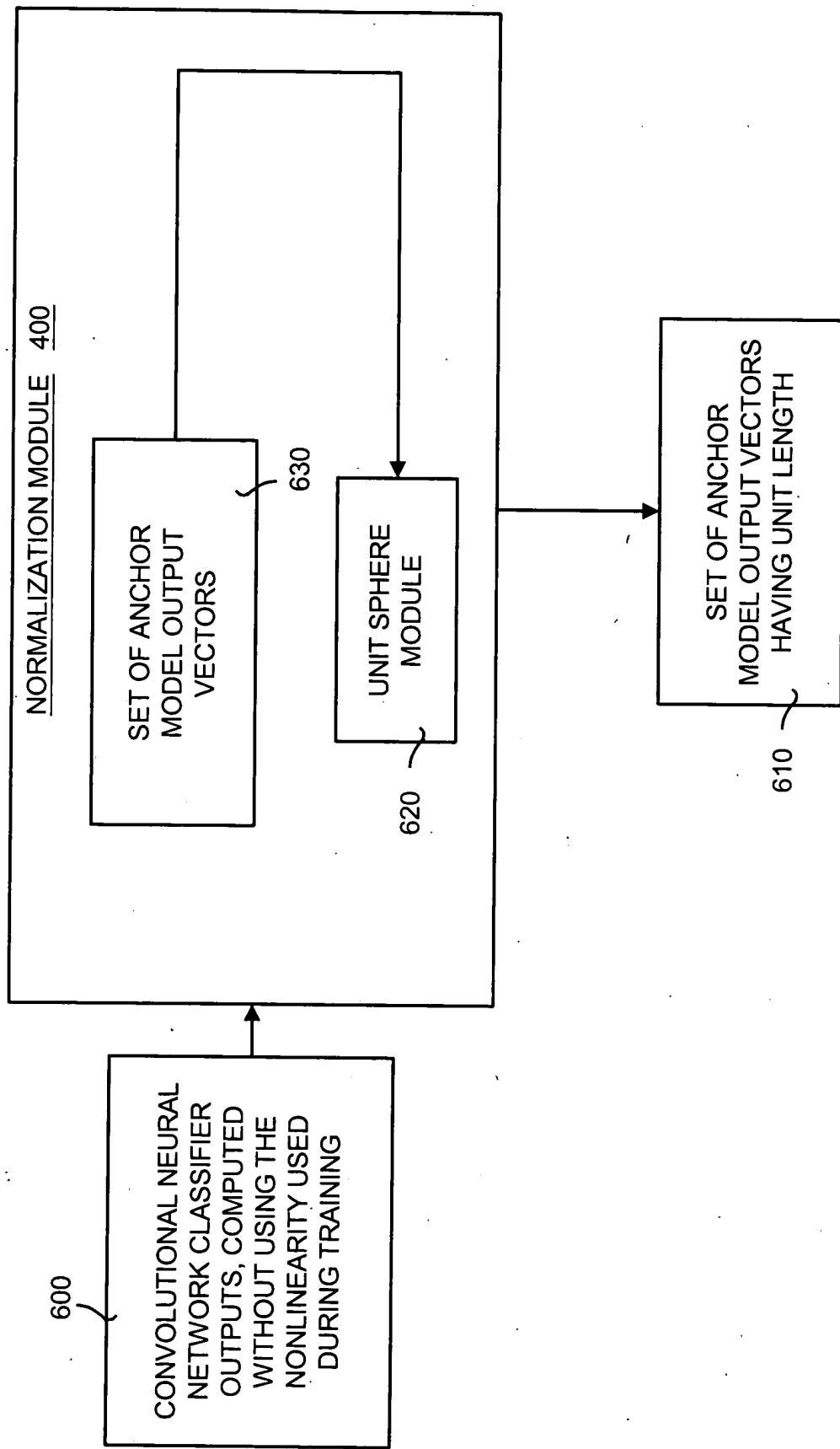
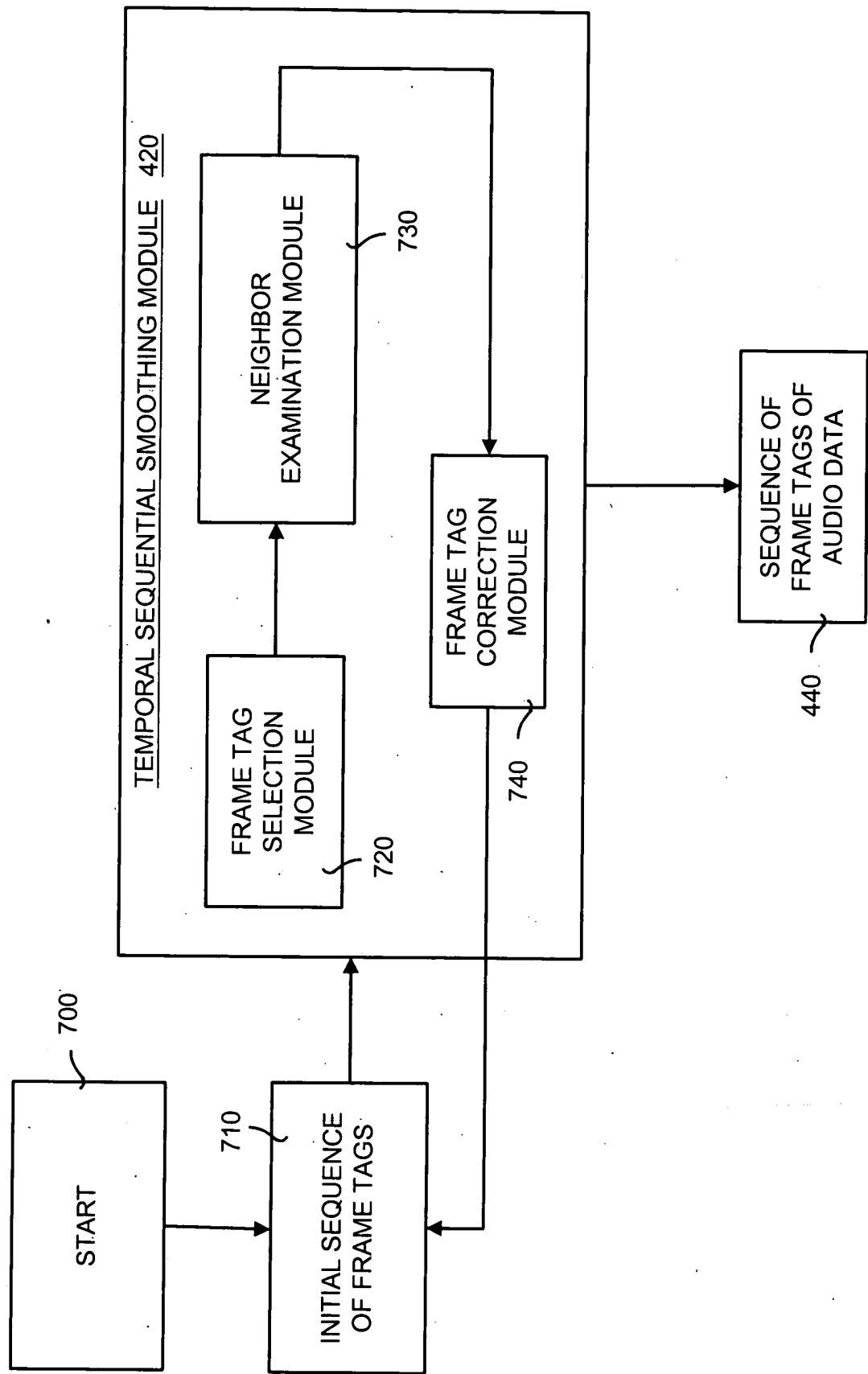


FIG. 6





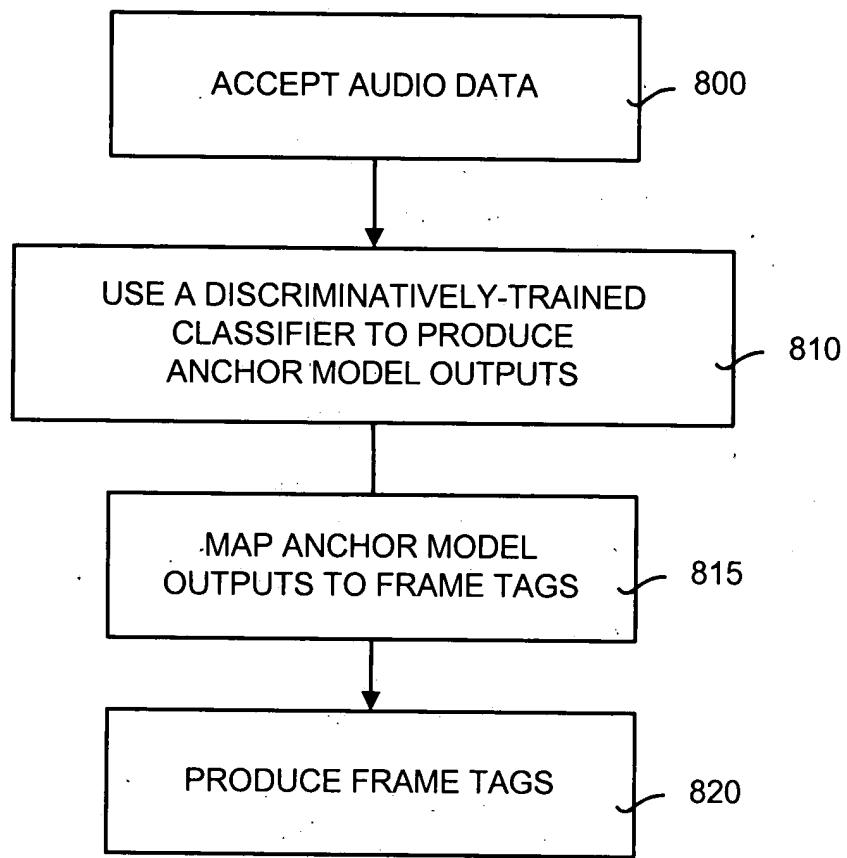


FIG. 8

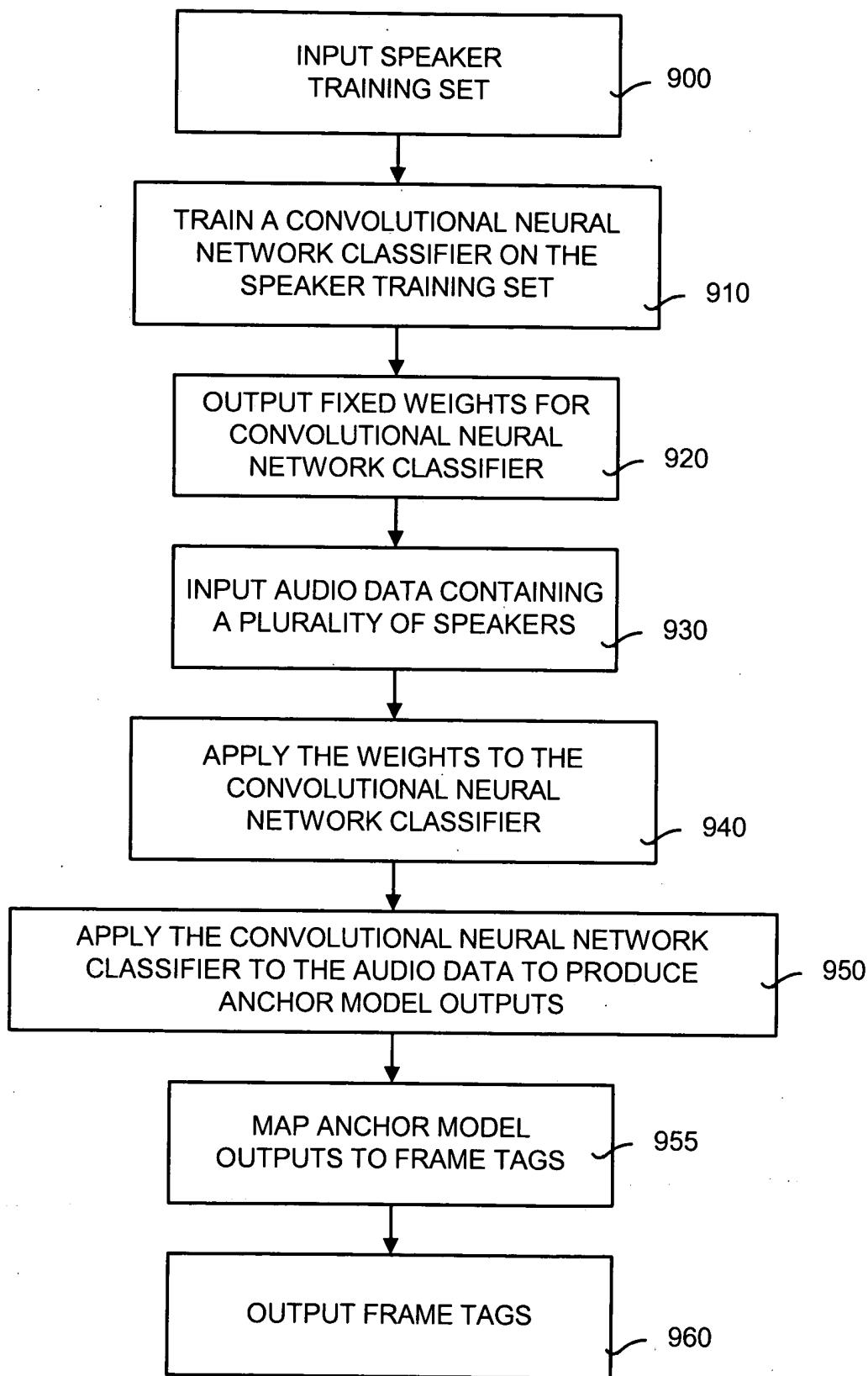


FIG. 9

SPEAKER CLASSIFICATION PHASE

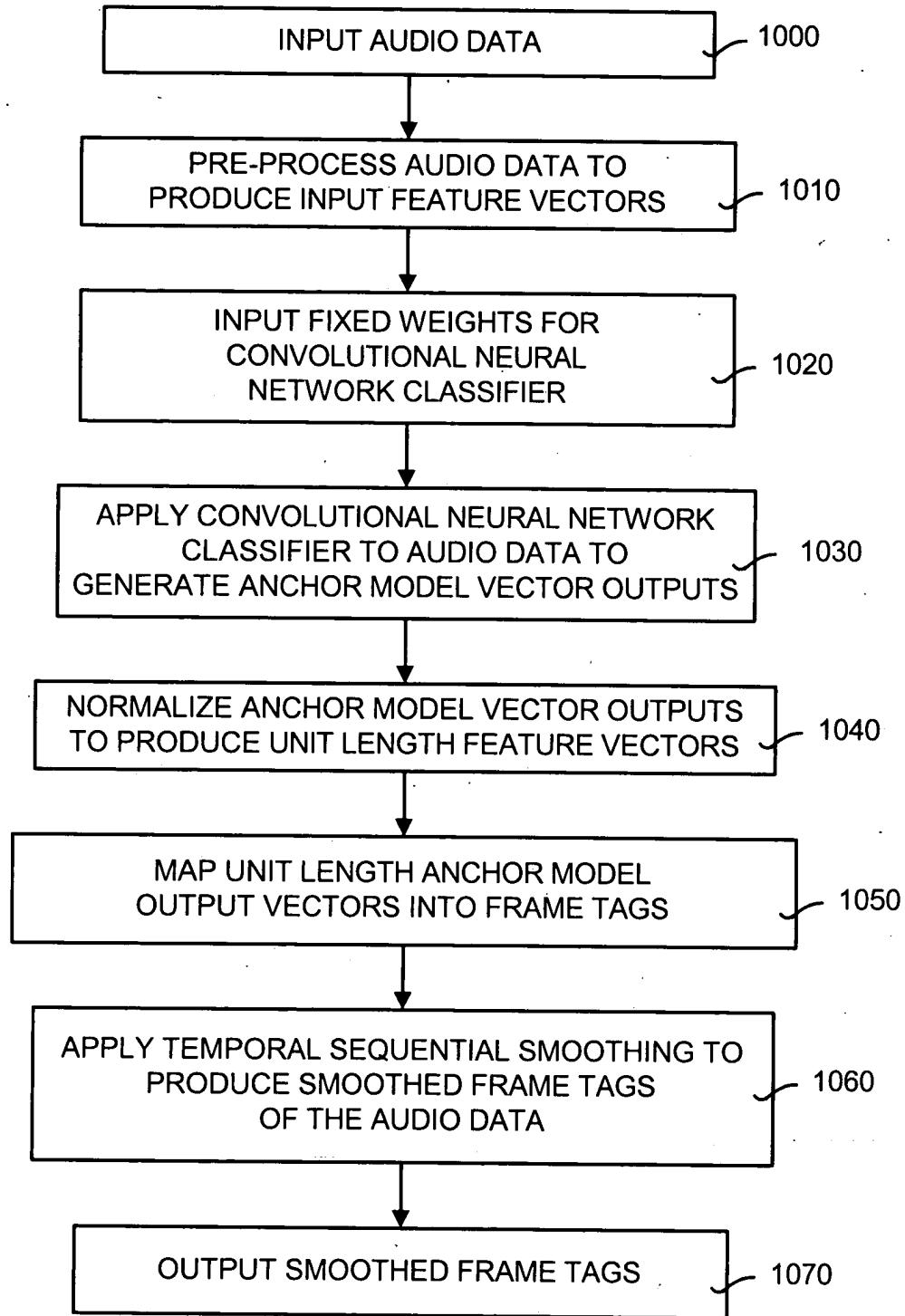


FIG. 10

AUDIO PRE-PROCESSING

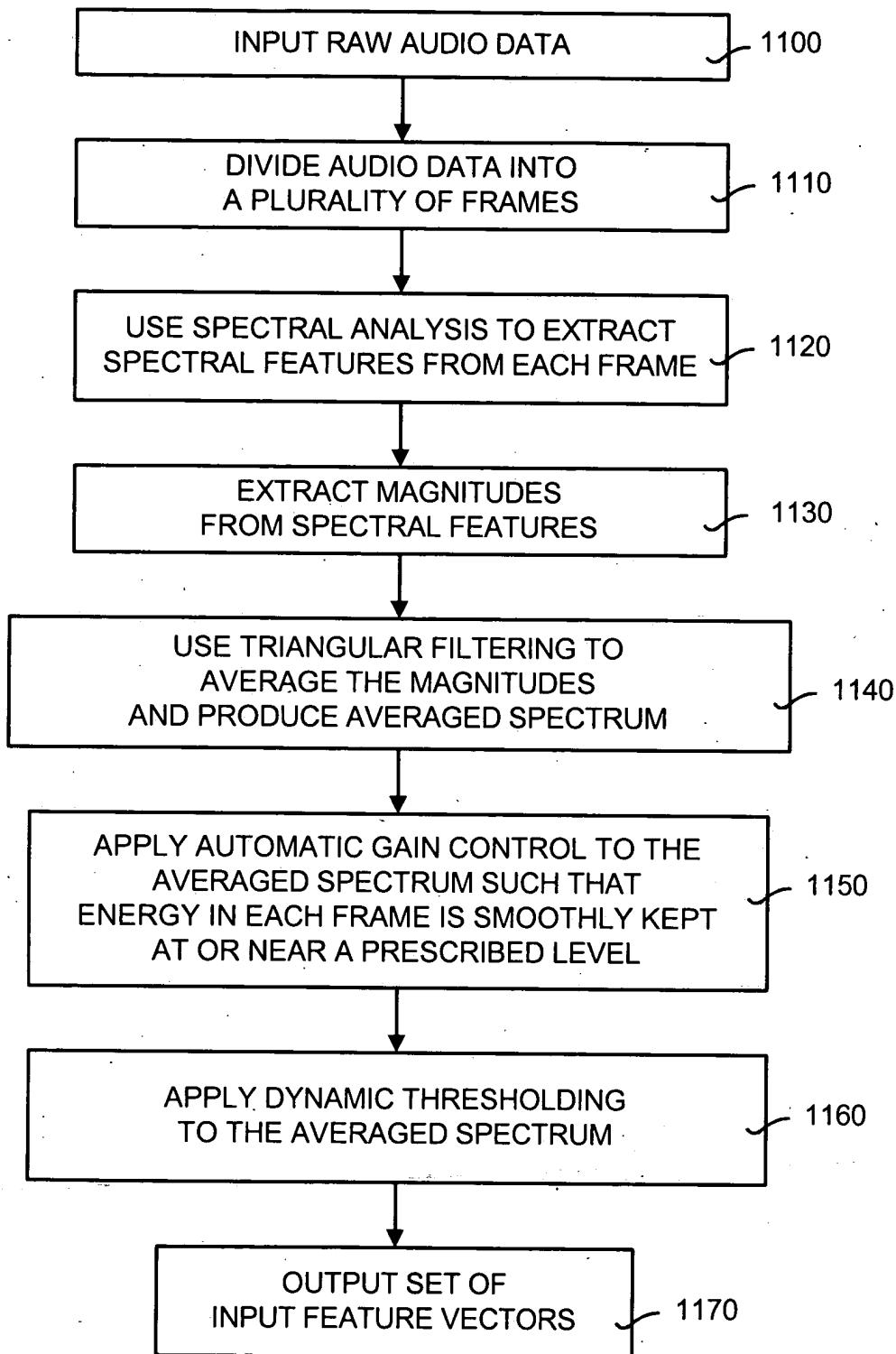


FIG. 11

NORMALIZATION

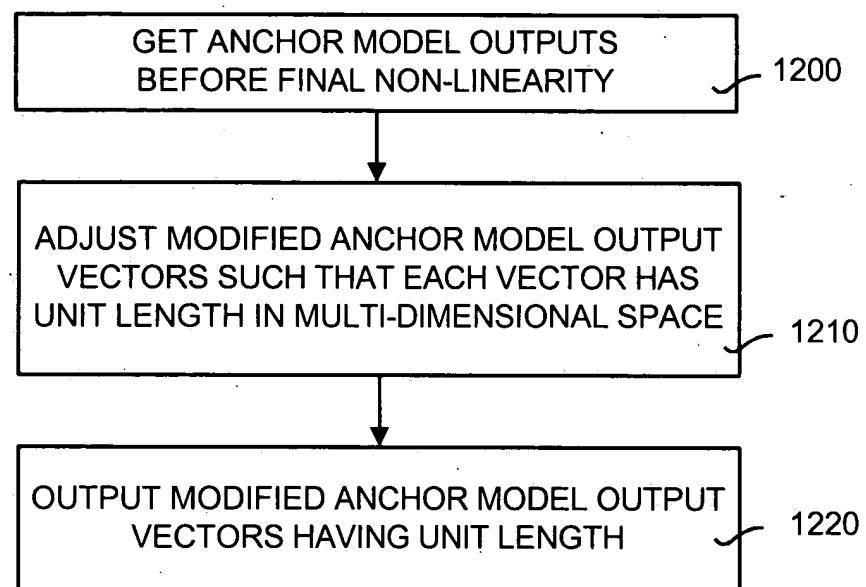


FIG. 12

TEMPORAL SEQUENTIAL SMOOTHING

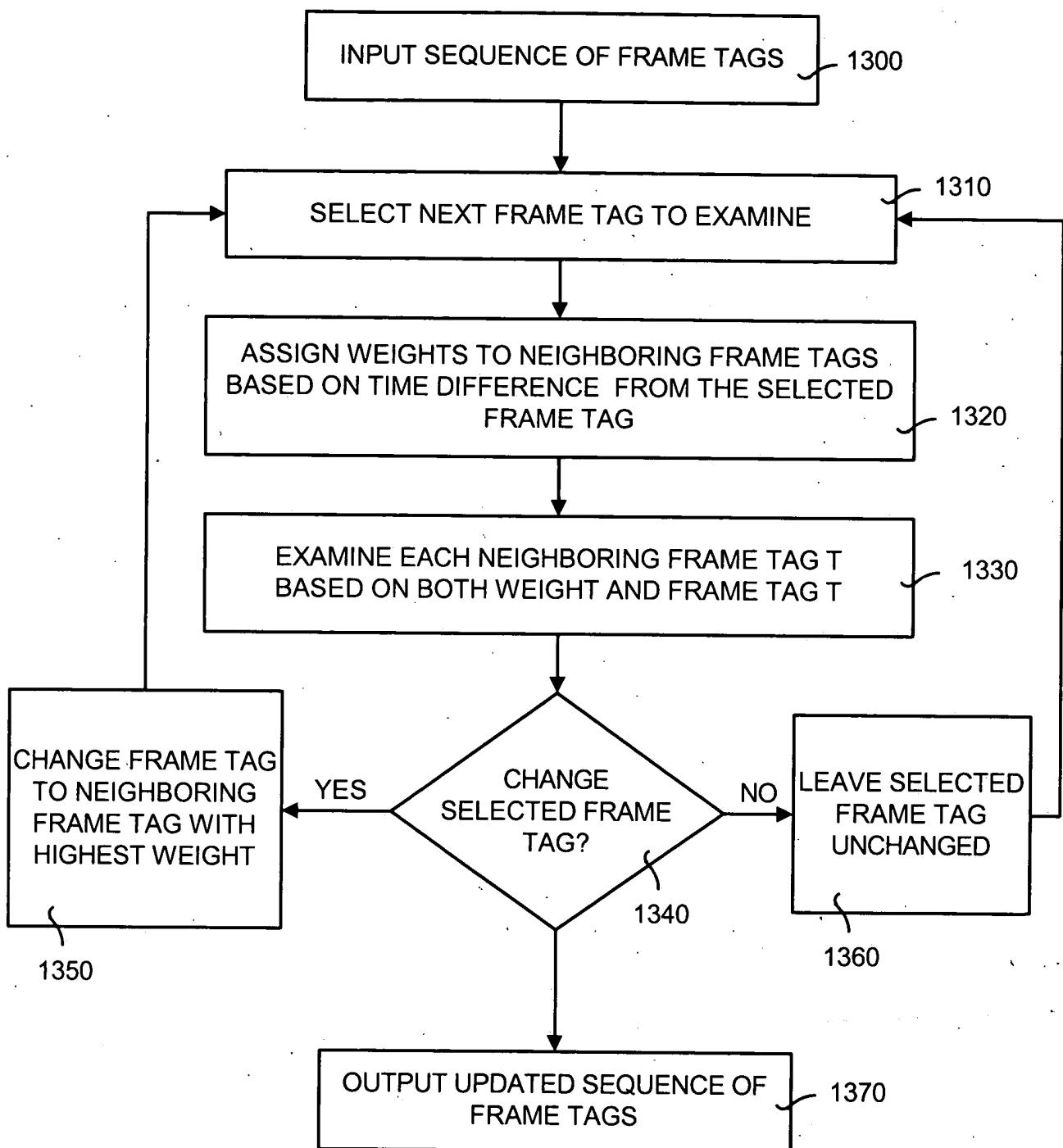
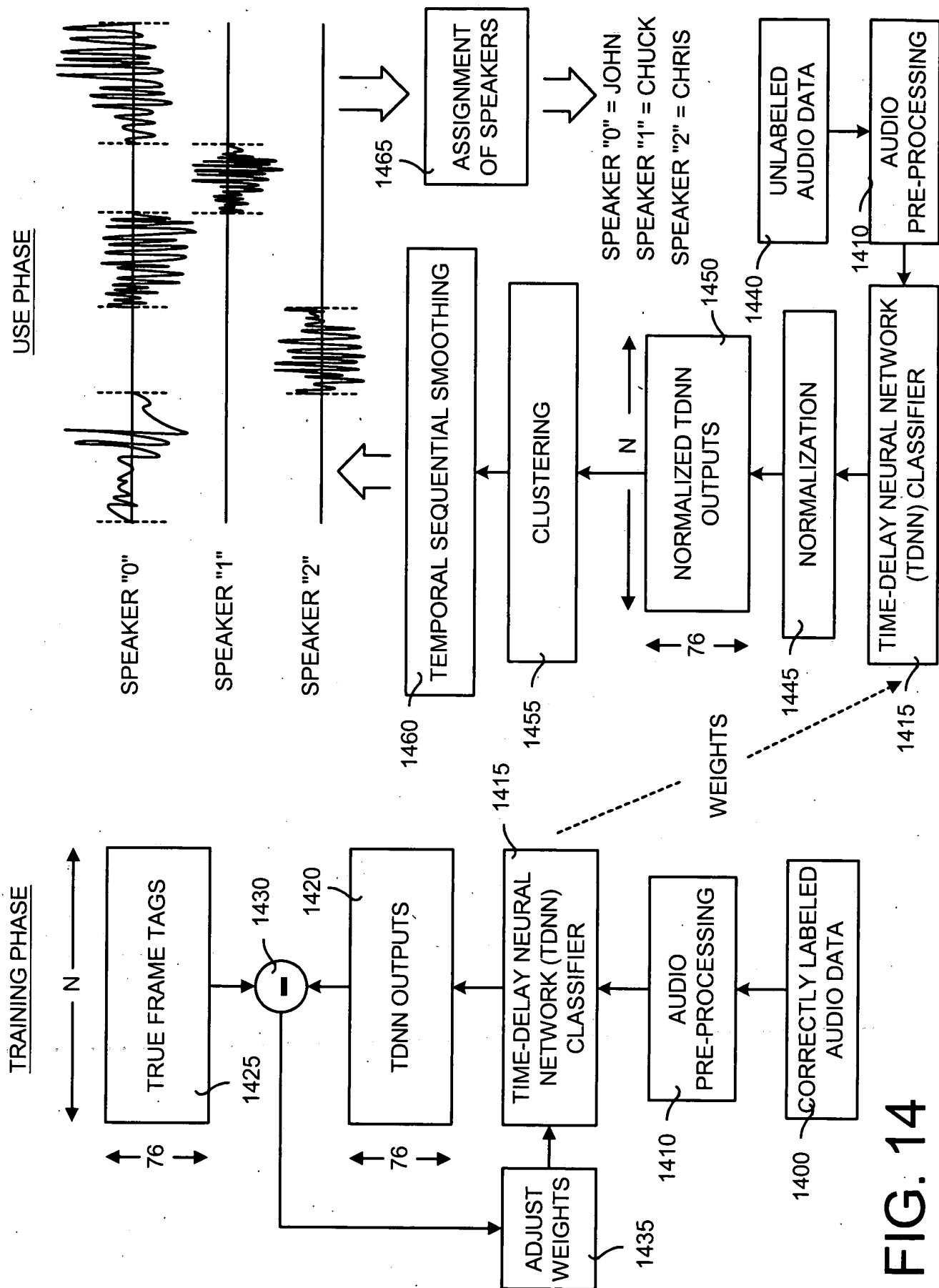


FIG. 13



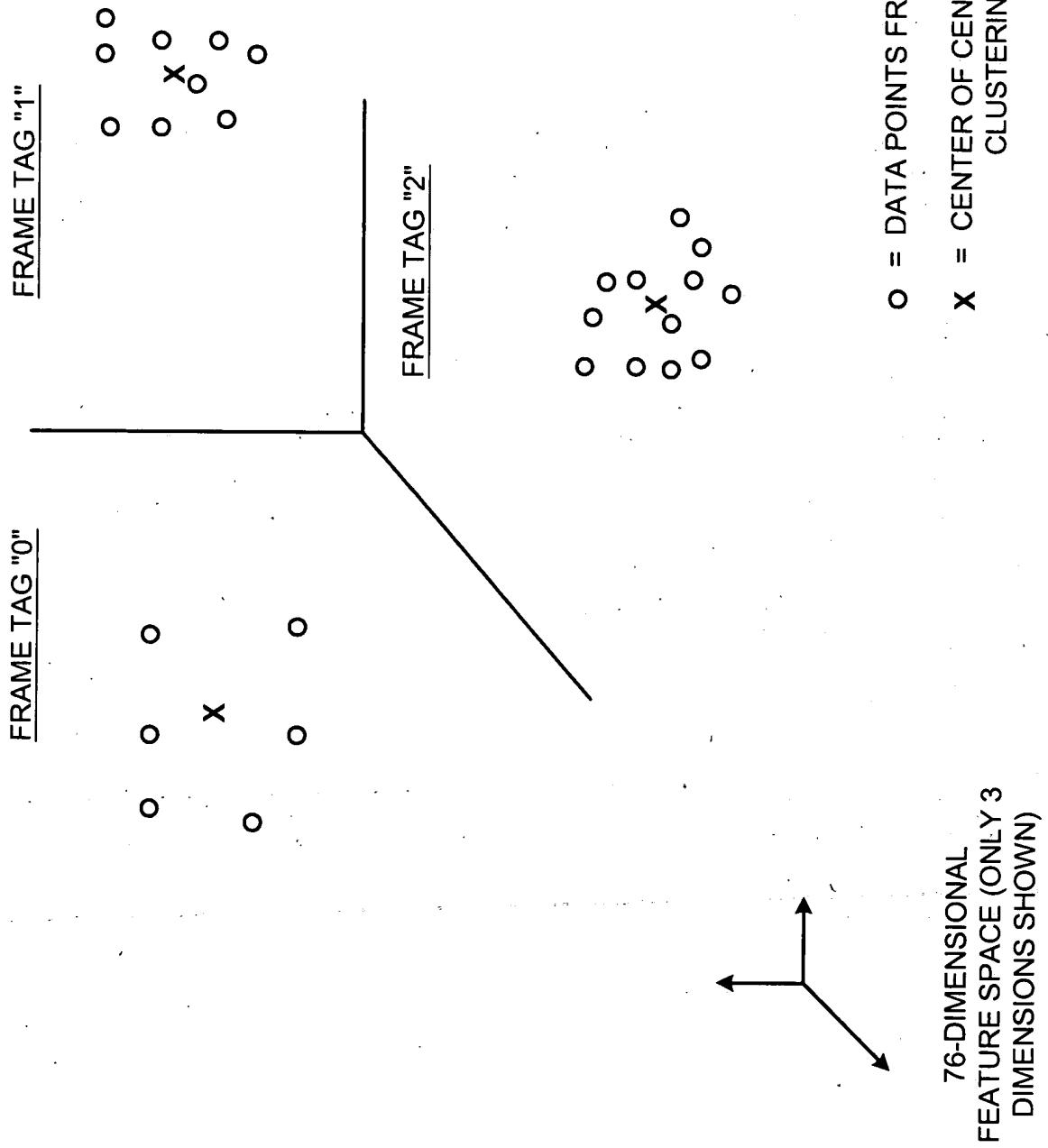


FIG. 15